

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 17 July 1997 (17.07.97)	
International application No. PCT/US95/15950	Applicant's or agent's file reference CM1091F/JH
International filing date (day/month/year) 07 December 1995 (07.12.95)	Priority date (day/month/year)
Applicant PETRI, Marco et al	

1. The designated Office is hereby notified of its election made:



in the demand filed with the International Preliminary Examining Authority on:

30 June 1997 (30.06.97)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Ting Zhao

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

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NOTIFICATION TO THE DESIGNATED OFFICE
OF RECEIPT OF RECORD COPY

(PCT Administrative Instructions, Section 426)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ETATS-UNIS D'AMERIQUE

in its capacity as designated Office

Date of mailing (day/month/year)

28 January 1997 (28.01.97)

Applicant's or agent's file reference

CM1091F/JH

The designated Office is hereby notified that the International Bureau has received the record copy of the international application identified below:

Applicant(s):

International application No. : PCT/US95/15950

International filing date : 07 December 1995 (07.12.95)

Priority date(s) claimed :

Date of receipt of the record copy
by the International Bureau : 13 February 1996 (13.02.96)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Ting Zhao

Telephone No.: (41-22) 730.91.11

PCT COOPERATION TREATY

PCT**NOTIFICATION REGARDING THE
CONFIRMATION OF PRECAUTIONARY
DESIGNATIONS**

(PCT Rule 24.2(a), last sentence)

From the INTERNATIONAL BUREAU

To:

REED, T., David
The Procter & Gamble Company
5299 Spring Grove Avenue
Cincinnati, OH 45217
ETATS-UNIS D'AMERIQUE

Date of mailing (<i>day/month/year</i>) 27 January 1997 (27.01.1997)		
Applicant's or agent's file reference CM1091F/JH		IMPORTANT NOTIFICATION
International application No. PCT/US95/15950	International filing date (<i>day/month/year</i>) 07 December 1995 (07.12.1995)	Priority date (<i>day/month/year</i>)
Applicant THE PROCTER & GAMBLE COMPANY		

1. The applicant is hereby notified that, pursuant to the confirmation of precautionary designations, the following designated Offices will also be notified of the receipt of the record copy by the International Bureau:

List of designated Offices : : US

Name(s) of applicant(s) for
the designated States concerned : PETRI, Marco and NA, Henry, Cheng

2. This notification complements the Notification of Receipt of Record Copy (Form PCT/IB/301).
3. The applicant is reminded that:
- (i) the data appearing above, and especially the (list of) designation(s) should be carefully checked;
 - (ii) the time limits for entering the national phase in the designated Offices must be monitored by the applicant (see the Annex to Form PCT/IB/301).
4. A copy of this notification is being sent to the receiving Office.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ting Zhao
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 730.91.11

PATENT COOPERATION TREATY

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REC'D 04 NOV 1997

INTERNATIONAL PRELIMINARY EXAMINATION REPORT


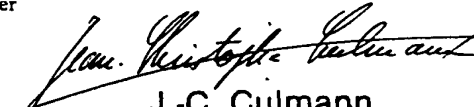
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference CM1091F/JH	<div style="display: flex; justify-content: space-between;"> FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) </div>	
International application No. PCT/US 95/ 15950	International filing date (day/month/year) 07/12/1995	Priority date (day/month/year) 07/12/1995
International Patent Classification (IPC) or national classification and IPC C11D3/395		
Applicant THE PROCTER & GAMBLE CO. et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This **REPORT** consists of a total of 7 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consists of a total of _____ sheets.

3. This report contains indications and corresponding pages relating to the following items:
- I ☒ Basis of the report
 - II ☐ Priority
 - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - IV ☐ Lack of unity of invention
 - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - VI ☐ Certain documents cited
 - VII ☒ Certain defects in the international application
 - VIII ☒ Certain observations on the international application

Date of submission of the demand 30/06/1997	Date of completion of this report 31. 10. 97
Name and mailing address of the IPEA/  European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465	Authorized officer  J.-C. Culmann Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intern. application No.

PCT/US95/15950

I. Basis of the report

1. This report has been drawn up on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

☒ the international application as originally filed.

☐ the description, pages _____, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____,
pages _____, filed with the letter of _____.

☐ the claims, Nos. _____, as originally filed,
Nos. _____, as amended under Article 19,
Nos. _____, filed with the demand,
Nos. _____, filed with the letter of _____,
Nos. _____, filed with the letter of _____.

☐ the drawings, sheets/fig _____, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

☐ the description, pages _____.

☐ the claims, Nos. _____.

☐ the drawings, sheets/fig _____.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intern. application No.

PCT/US95/15950

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. STATEMENT

Novelty (N)	Claims 1-6	YES
	Claims 7-10	NO
Inventive Step (IS)	Claims	YES
	Claims 1-6	NO
Industrial Applicability (IA)	Claims 1-10	YES
	Claims	NO

2. CITATIONS AND EXPLANATIONS

The closest state of the art is disclosed in document GB-A-1 197 689.

In this document, bleaching cleansers are formulated which comprise a source of available chlorine, an -NH_2 containing compound, possibly a source of bromide, and which have a pH above 10.5.

The compositions which are particularly relevant are:

- compositions 7 and 8 of Example III;
- the composition of Example V;
- the composition of Example VI;
- the composition of Example VII;

when they are formulated with bromine, as specified at column 8, line 78 et seq., because they all comprise chlorinated trisodium orthophosphate, sulphamic acid, and are all formulated as slurries (5% by weight solutions) of pH 11.2 or above.

Thus, the subject-matter of claim 7 to 10 is anticipated by these formulations of the art and cannot fulfil the requirements of Article 33(3) PCT.

In claim 7, the feature "obtainable by a process (...)" is not limiting and cannot distinguish the compositions actually obtained by any of the process claims from those of the citation.

The subject-matter of claims 1 to 6 is novel, because none of the documents cited in the search report describes all the specific steps recited in claim 1; however, the Applicant has failed to establish what contribution made over the art would ever result from the specified order of addition of the various components. The statement at page 7 of the description, the last paragraph, is a mere allegation which is not substantiated.

The Examiner, in absence of comparative data, must conclude that the steps (i) to (iv) specified in claim 1 represent an attempt to formally create novelty over the art, and that said steps do not amount to an inventive activity.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intern. application No.

PCT/US95/15950

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document GB-A-1 197 689 is not mentioned in the description, nor is this document identified therein.

The term "DAN" seems to be a registered trade mark, but is not acknowledged as such (see at page 12, the penultimate paragraph).

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 1 is unclear for the following reasons:

- it is not unambiguously clear whether the composition which is processed is aqueous or not; since there is a reference to a pH, and that pH makes sense only in the case of aqueous solutions, it seems that the composition is indeed aqueous; but item (iv) of this claim is then not in agreement with the description (see at page 6, line 19 and 20 "Step (iv) The resulting solution has etc");
- the composition which is manufactured can hardly contain at the same time a halogen bleach and a source of bromine, because one of them has been consumed in the oxidation reaction yielding bromonium ions;
- the -NH_2 compound cannot be freely selected, according to the description, see at page 5, lines 8 to 10 (obviously because some chlorinated/brominated amines are not stable under the selected pH, such as dichlorosulfamates).

Claim 2 is not adequately supported from the description: sodium sulphamate and imidodisulphonamide do not seem to appear in the description. The term "or a salt thereof", see at page 6, the second paragraph, is too vague to provide said support.

Claim 6 is not supported: in the description, it is merely said that the process is carried out at a temperature from 5 to 80°C, not the specific steps (i) and/or (iii).

Stricto-sensu, claim 7 merely claims a bleaching compo-

sition. It can be produced from any process.

Claims 8 to 9 aim at a process or a composition: as said previously, the composition can hardly contain unreacted bromide. These claims are not drafted as to clearly indicate whether they claim a process or a composition.

Independent claims 1 and 7 are not in the two-part form in accordance with Rule 6.3(b) PCT, with those features known in combination from the prior art (document GB-A-1 197 689) being placed in a preamble (Rule 6.3(b)(i) PCT) and with the remaining features being included in a characterising part (Rule 6.3(b)(ii) PCT).

PATENT COOPERATION TREATY

PCT

COMMUNICATION IN CASES FOR WHICH
NO OTHER FORM IS APPLICABLE

From the INTERNATIONAL BUREAU

To:

REED, T., David
The Procter & Gamble Company
5299 Spring Grove Avenue
Cincinnati, OH 45217
ETATS-UNIS D'AMERIQUE

Date of mailing (<i>day/month/year</i>) 27 January 1997 (27.01.1997)	
Applicant's or agent's file reference CM1091F/JH	REPLY DUE see paragraph 1 below
International application No. PCT/US95/15950	International filing date (<i>day/month/year</i>) 07 December 1995 (07.12.1995)
Applicant THE PROCTER & GAMBLE COMPANY	

1. ☒ REPLY DUE within 1 months/~~days~~ from the above date of mailing
- ☐ NO REPLY DUE, however, see below
- ☒ IMPORTANT COMMUNICATION
- ☐ INFORMATION ONLY

2. COMMUNICATION:

Since PETRI, Marco and NA, Henry, Cheng have become the applicants and inventors for US, their nationalities and residences are required. A power of attorney signed by them is also required.

A copy of this notification is being sent to the receiving Office.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ting Zhao
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 730.91.11

PATENT COOPERATION TREATY

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NOTIFICATION OF DESIGNATIONS
CONSIDERED TO BE WITHDRAWN(PCT Rule 29.1(b) and
Administrative Instructions, Section 414)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ETATS-UNIS D'AMERIQUE

in its capacity as designated Office

Date of mailing (day/month/year) 18 March 1997 (18.03.97)	Applicant's or agent's file reference CM1091F/JH
International application No. PCT/US95/15950	International filing date (day/month/year) 07 December 1995 (07.12.95)
Applicant THE PROCTER & GAMBLE COMPANY	

1. The International Bureau hereby gives notice that the receiving Office has, by a declaration issued pursuant to Article 14(3)(b), notified the applicant on:

06 March 1997 (06.03.97)

that the designation(s) of the State(s) for which the Office acts as designated Office has(have) been considered withdrawn.

2. ☐ A copy of this notification has been sent to the International Preliminary Examining Authority.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorised officer I. Britel
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 730.91.11

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 95/15950

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C11D3/395 C11D3/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB,A,1 197 689 (PROCTER & GAMBLE) 8 July 1970 see claims 21-33,35 ---	1-5,7,9, 10
A	DATABASE WPI Week 8825 Derwent Publications Ltd., London, GB; AN 88-171056 XP002009912 & JP,A,63 108 099 (LION) , 12 May 1988 see abstract ---	1,4
A	US,A,3 749 672 (W. C. GOLTON ET AL.) 31 July 1973 see claims 1-5 ---	1,2,4,5, 7
A	EP,A,0 119 560 (INTERMEDICAT) 26 September 1984 -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

31 July 1996

Date of mailing of the international search report

09.08.96

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Van Bellingen, I

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 95/15950

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB-A-1197689	08-07-70	AT-A,B 309631 BE-A- 721695 CH-A- 505894 DE-A- 1800122 DK-A- 133825 FR-A- 1583035 NL-A- 6814035 SE-A,B,C 371839 US-A- 3583922	15-07-73 01-04-69 15-04-71 14-05-69 10-10-69 08-04-69 08-06-71
US-A-3749672	31-07-73	NONE	
EP-A-119560	26-09-84	DE-A- 3308850	13-09-84

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

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